DOCUMENT RESUME

ED 313 261 SE 051 080

TITLE	Historical Topics for the Mathematics Classroom.
INSTITUTION	National Council of Teachers of Mathematics, Inc., Reston, Va.
REPORT NO	ISBN-0-87353-281-3
PUB DATE	89
NOTE	542p.
AVAILABLE FROM	National Council of Teachers of Mathematics, Inc., 1906 Association Drive, Reston, VA 22091 ($28.00 less 20% for 10 or more).
PUB TYPE	Historical Materials (060) -- Guides - Classroom Use - Guides (For Teachers) (052)
EDRS PRICE	Document Not Available from EDRS.
DESCRIPTORS	College Mathematics; Higher Education; *History; *Mathematical Concepts; Mathematical Logic; *Mathematicians; Mathematics Education; *Mathematics Materials; *Science History; Secondary Education; *Secondary School Mathematics
IDENTIFIERS	*Mathematics History

ABSTRACT

The National Council of Teachers of Mathematics (NCTM) has published this updated edition in response to a continuing demand for historical materials to be used in teaching mathematics. This publication was originally issued in 1969 as the "Thirty-first Yearbook." Its primary objective is to make available to mathematics classes important material from the history and development of mathematics, with the hope that the knowledge will increase students' interest in mathematics and its cultural aspects. Additional bibliographic listings cover the proliferation of historical material in the 20 years between 1969 and 1989. Chapters include: (1) "The History of Mathematics as a Teaching Tool"; (2) "The History of Numbers and Numerals"; (3) "The History of Computation"; (4) "The History of Geometry"; (5) "The History of Algebra"; (6) "The History of Trigonometry"; (7) "The History of the Calculus"; (8) "Development of Modern Mathematics"; and (9) "The Science of Patterns." An appendix, listing "Resources beyond this Yearbook," is appended. (YP)

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